

What is claimed is:

1 1. A method for manufacturing a ferrule comprising the steps of:
2 immersing a negative electrode line and a positive electrode in an electroforming fluid in
3 an electroforming bath;
4 disposing at least one dummy line in the vicinity of the negative electrode line;
5 depositing metal on the negative electrode line by electroforming to form a cylindrical
6 electroformed element in such a manner that the negative electrode line and the dummy line are
7 integrally embedded in the electroformed element; and
8 taking out at least the dummy line from the electroformed element to form a through hole
9 for inserting an optical fiber, to obtain the ferrule made of the electroformed element.

1 2. The method for manufacturing a ferrule according claim 1, wherein the dummy line to
2 be taken out from the electroformed element is subjected to an insulation treatment.

1 3. The method for manufacturing a ferrule according to claim 1, wherein the dummy line
2 to be taken out from the electroformed element is made of an electrical insulating material.

1 4. A method for manufacturing a ferrule comprising the steps of:
2 immersing a negative electrode line and a positive electrode in an electroforming fluid in
3 an electroforming bath;
4 disposing at least one dummy line in the vicinity of the negative electrode line and
5 disposing at least one positioning line in the vicinity of the dummy line;

6 depositing metal on the negative electrode line by electroforming to form a cylindrical
7 electroformed element in such a manner that the negative electrode line, the dummy line, and the
8 positioning line are integrally embedded in the electroformed element;

9 taking out at least the dummy line, out of the negative electrode line and the dummy line,
10 from the electroformed element to form a through hole for inserting an optical fiber; and

11 taking out the positioning line from the electroformed element to form a positioning hole
12 used when the ferrule is fitted into another ferrule, thereby to obtain the ferrule made of the
13 electroformed element.

1 5. The method for manufacturing a ferrule according to claim 4, wherein:

2 the ferrule is used as a socket; and

3 a plug pin of a second ferrule is inserted into the positioning hole of the ferrule.

1 6. The method for manufacturing a ferrule according to claim 4, further comprising:

2 a plug pin fixedly attached to the positioning hole, wherein said plug pin is to be inserted
3 into and fitted to a positioning hole of a second ferrule.

1 7. The method for manufacturing a ferrule according to claim 4, wherein the dummy line

2 and the positioning line to be taken out from the electroformed element is subjected to an insulation
3 treatment.

1 8. The method for manufacturing a ferrule according to claim 4, wherein the dummy line
2 and the positioning line to be taken out from the electroformed element is made of an electrical
3 insulating material.

1 9. A method for manufacturing a ferrule comprising the steps of:
2 immersing a negative electrode line and a positive electrode in an electroforming fluid in
3 an electroforming bath;
4 disposing at least one dummy line in the vicinity of the negative electrode line and
5 disposing at least one positioning line in the vicinity of the dummy line;
6 depositing metal on the negative electrode line by electroforming to form a cylindrical
7 electroformed element in such a manner that the negative electrode line, the dummy line, and the
8 positioning line are integrally embedded in the electroformed element;
9 taking out at least the dummy line, out of the negative electrode line and the dummy line,
10 from the electroformed element to form a through hole for inserting an optical fiber; and
11 taking out the positioning line from the electroformed element to form a positioning hole
12 used for adjusting a position of the electroformed element when an outside shape thereof is
13 machined, thereby to obtain the ferrule made of the electroformed element.

1 10. The method for manufacturing a ferrule according to claim 9, wherein the dummy line
2 and the positioning line to be taken out from the electroformed element is subjected to an insulation
3 treatment.

1 11. The method for manufacturing a ferrule according to claim 9, wherein the dummy line
2 and the positioning line to be taken out from the electroformed element is made of an electrical
3 insulating material.